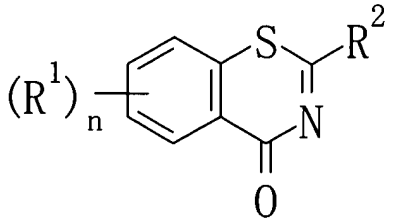
Amendments to the CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A compound represented by formula:



[wherein, R^1 represents (1) a halogen atom, (2) ~~hydroxy~~hydroxyl, (3) nitro, (4) an optionally halogenated C_{1-6} alkyl, ~~(5) an acyl or (6) an optionally substituted amino~~(5) a C_{1-6} alkyl-carbonyl optionally having 1 to 5 substituents selected from (1') a halogen atom, (2') a C_{1-3} alkylenedioxy (3') nitro, (4') cyano, (5') a C_{1-6} alkyl which may be substituted with 1 to 5 halogen atoms, (6') a C_{2-6} alkenyl which may be substituted with 1 to 5 halogen atoms, (7') a carboxy-C_{2-6} alkenyl, (8') a C_{2-6} alkynyl which may be substituted with 1 to 5 halogen atoms, (9') a C_{3-8} cycloalkyl which may be substituted with 1 to 5 halogen atoms, (10') a C_{6-14} aryl, (11') a C_{1-6} alkoxy which may be substituted with 1 to 5 halogen atoms, (12') a C_{1-6} alkoxy-carbonyl-C_{1-6} alkoxy, (13') hydroxyl, (14') a C_{6-14} aryloxy, (15') a C_{7-16} aralkyloxy, (16') mercapto, (17') a C_{1-6} alkylthio which may be substituted with 1 to 5 halogen atoms, (18') a C_{6-14} arylthio, (19') a C_{7-16} aralkylthio, (20') amino, (21') a mono-C_{1-6} alkylamino, (22') a mono-C_{6-14} arylamino, (23') a di-C_{1-6} alkylamino, (24') a di-C_{6-14} arylamino, (25') formyl, (26') carboxy, (27') a C_{1-6} alkyl-carbonyl, (28') a C_{3-8} cycloalkyl-carbonyl, (29') a C_{1-6} alkoxy-carbonyl, (30') a C_{6-14} aryl-carbonyl, (31') a C_{7-16} aralkyl-carbonyl, (32') a C_{6-14} aryloxy-carbonyl, (33') a C_{7-16} aralkyloxy-carbonyl, (34') a 5- or 6-membered heterocyclic carbonyl, (35') carbamoyl, (36') a mono-C_{1-6} alkyl-carbamoyl, (37') a di-C_{1-6} alkyl-carbamoyl, (38') a mono-C_{6-14} aryl-carbamoyl, (39') a 5- or 6-membered heterocyclic carbamoyl, (40') a C_{1-6} alkylsulfonyl, (41') a C_{6-14} arylsulfonyl, (42') formylamino, (43') a C_{1-6} alkyl-carbonylamino, (44') a C_{6-14} aryl-carbonylamino, (45') a C_{1-6} alkoxy-carbonylamino, (46') a C_{1-6} alkylsulfonylamino, (47') a C_{6-14} arylsulfonylamino, (48') a C_{1-6} alkyl-carbonyloxy, (49') a C_{6-14} aryl-carbonyloxy, (50') a C_{1-6} alkoxy-carbonyloxy, (51') a mono-C_{1-6}alkyl-carbamoyloxy, (52') a di-C_{1-6}alkyl-carbamoyloxy, (53') a mono-C_{6-14} aryl-carbamoyloxy, (54') nicotinoyloxy, (55') a 5- to 7-membered saturated cyclic

amino, (56') a 5- to 10-membered aromatic heterocyclic group and (57') sulfo (hereinafter simply referred to as Substituent group A);

(6) a C_{2-6} alkenyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A;

(7) a C_{2-6} alkynyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A;

(8) a C_{3-8} cycloalkyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A;

(9) a C_{6-14} aryl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A;

(10) a C_{7-16} aralkyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A;

(11) a 5- to 14-membered heterocyclic carbonyl containing 1 to 4 hetero atoms, which are 1 or 2 different atoms selected from nitrogen, sulfur and oxygen atoms, in addition to carbon atoms (this heterocyclic carbonyl may have 1 to 5 substituents selected from the Substituent group A);

(12) an amino optionally having 1 or 2 substituents selected from (1') a C_{1-6} alkyl optionally having 1 to 5 substituents selected from the Substituent group A, (2') a C_{2-6} alkenyl optionally having 1 to 5 substituents selected from the Substituent group A, (3') a C_{2-6} alkynyl optionally having 1 to 5 substituents selected from the Substituent group A, (4') a C_{3-8} cycloalkyl optionally having 1 to 5 substituents selected from the Substituent group A, (5') a C_{6-14} aryl optionally having 1 to 5 substituents selected from the Substituent group A, (6') a C_{7-16} aralkyl optionally having 1 to 5 substituents selected from the Substituent group A, (7') a 5- to 14-membered heterocyclic group containing 1 to 4 hetero atoms, which are 1 or 2 different atoms selected from nitrogen, sulfur and oxygen atoms, in addition to carbon atoms, (8') a C_{1-6} alkyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (9') a C_{2-6} alkenyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (10') a C_{2-6} alkynyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (11') a C_{3-8} cycloalkyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (12') a C_{6-14} aryl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (13') a C_{7-16} aralkyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A and

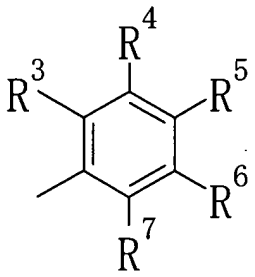
(14') a 5- to 14-membered heterocyclic carbonyl containing 1 to 4 hetero atoms, which are 1 or 2 different atoms selected from nitrogen, sulfur and oxygen atoms, in addition to carbon atoms;

R^2 represents ~~(1) an optionally substituted branched alkyl, (2) an optionally substituted cycloalkyl, (3) an optionally substituted fused homocyclic group,~~(1) a branched C_{3-6} alkyl optionally having 1 to 5 substituents selected from the Substituent group A with the proviso that 4H-1,3-Benzothiazin-4-one, 2-(1,1-dimethylethyl) is excluded;

(2) a C_{3-8} cycloalkyl optionally having 1 to 5 substituents selected from the Substituent group A;

(3) a C_{9-14} fused homocyclic group optionally having 1 to 5 substituents selected from the Substituent group A; or

(4) a group represented by formula:



(wherein, R^3 and R^7 each independently represents ~~(i) hydrogen atom, (ii) fluorine atom, (iii) bromine atom, (iv) nitro, (v) cyano, (vi) an optionally substituted alkyl, (vii) an optionally substituted alkoxy (viii) an optionally substituted aryl, (ix) an acyl, (x) an optionally substituted alkylsulfonyl (xi) an optionally substituted carbamoyl or (xii) an optionally substituted amino~~(1) hydrogen atom;

(2) fluorine atom;

(3) bromine atom;

(4) nitro;

(5) cyano;

(6) a C_{1-6} alkyl optionally having 1 to 5 substituents selected from the Substituent group A;

(7) a C_{1-6} alkoxy optionally having 1 to 5 substituents selected from the Substituent group A;

(8) a C_{6-14} aryl optionally having 1 to 5 substituents selected from the Substituent group A;

(9) a C_{1-6} alkyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A;

(10) a C_{2-6} alkenyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A;

(11) a C_{2-6} alkynyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A;

(12) a C_{3-8} cycloalkyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A;

(13) a C_{6-14} aryl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A;

(14) a C_{7-16} aralkyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A;

(15) a 5- to 14-membered heterocyclic carbonyl containing 1 to 4 hetero atoms, which are 1 or 2 different atoms selected from nitrogen, sulfur and oxygen atoms, in addition to carbon atoms;

(16) a C_{1-6} alkylsulfonyl optionally having 1 to 5 substituents selected from the Substituent group A;

(17) a carbamoyl optionally having 1 or 2 substituents selected from (1') a C_{1-6} alkyl optionally having 1 to 5 substituents selected from the Substituent group A, (2') a C_{2-6} alkenyl optionally having 1 to 5 substituents selected from the Substituent group A, (3') a C_{2-6} alkynyl optionally having 1 to 5 substituents selected from the Substituent group A, (4') a C_{3-8} cycloalkyl optionally having 1 to 5 substituents selected from the Substituent group A, (5') a C_{6-14} aryl optionally having 1 to 5 substituents selected from the Substituent group A, (6') a C_{7-16} aralkyl optionally having 1 to 5 substituents selected from the Substituent group A, (7') a 5- to 14-membered heterocyclic carbonyl containing 1 to 4 hetero atoms, which are 1 or 2 different atoms selected from nitrogen, sulfur and oxygen atoms, in addition to carbon atoms, (8') a C_{1-6} alkyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (9') a C_{2-6} alkenyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (10') a C_{2-6} alkynyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (11') a C_{3-8} cycloalkyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (12') a C_{6-14} aryl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (13') a C_{7-16} aralkyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A and (14') a 5- to 14-membered heterocyclic carbonyl containing 1 to 4 hetero atoms, which are 1 or 2 different atoms selected from nitrogen, sulfur and oxygen atoms, in addition to carbon atoms; or,

(18) an amino optionally having 1 or 2 substituents selected from (1') a C_{1-6} alkyl optionally having 1 to 5 substituents selected from the Substituent group A, (2') a C_{2-6} alkenyl optionally having 1 to 5

substituents selected from the Substituent group A, (3') a C_{2-6} alkynyl optionally having 1 to 5 substituents selected from the Substituent group A, (4') a C_{3-8} cycloalkyl optionally having 1 to 5 substituents selected from the Substituent group A, (5') a C_{6-14} aryl optionally having 1 to 5 substituents selected from the Substituent group A, (6') a C_{7-16} aralkyl optionally having 1 to 5 substituents selected from the Substituent group A, (7') a 5- to 14-membered heterocyclic carbonyl containing 1 to 4 hetero atoms, which are 1 or 2 different atoms selected from nitrogen, sulfur and oxygen atoms, in addition to carbon atoms, (8') a C_{1-6} alkyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (9') a C_{2-6} alkenyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (10') a C_{2-6} alkynyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (11') a C_{3-8} cycloalkyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (12') a C_{6-14} arylcarbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (13') a C_{7-16} aralkyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A and (14') a 5- to 14-membered heterocyclic carbonyl containing 1 to 4 hetero atoms, which are 1 or 2 different atoms selected from nitrogen, sulfur and oxygen atoms, in addition to carbon atoms;

R^4 and R^6 each independently represents ~~(i) hydrogen atom, (ii) fluorine atom, (iii) bromine atom, (iv) hydroxy (v) cyano, (vi) an alkyl having a substituent selected from carboxy, a halogen atom, an alkoxycarbonyl and an arylcarbonylamino (vii) an optionally substituted alkoxy (viii) an optionally substituted aryl, (ix) an acyl, (x) an optionally substituted alkylsulfonyl (xi) an optionally substituted carbamoyl (xii) an optionally substituted amino or (xiii) an optionally substituted alkoxycarbonyl~~(1) hydrogen atom;

(2) fluorine atom;

(3) bromine atom;

(4) hydroxy;

(5) cyano;

(6) a C_{1-6} alkyl having 1 to 3 substituents selected from carboxy, a halogen atom, a C_{1-6} alkoxy-carbonyl and a C_{6-14} aryl-carbonylamino;

(7) a C_{1-6} alkoxy optionally having 1 to 5 substituents selected from the Substituent group A;

(8) a C_{6-14} aryl optionally having 1 to 5 substituents selected from the Substituent group A;

(9) a C_{1-6} alkyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A;

(10) a C_{2-6} alkenyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A;

(11) a C_{2-6} alkynyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A;

(12) a C_{3-8} cycloalkyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A;

(13) a C_{6-14} aryl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A;

(14) a C_{7-16} aralkyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A;

(15) a 5- to 14-membered heterocyclic carbonyl containing 1 to 4 hetero atoms, which are 1 or 2 different atoms selected from nitrogen, sulfur and oxygen atoms, in addition to carbon atoms;

(16) a C_{1-6} alkylsulfonyl optionally having 1 to 5 substituents selected from the Substituent group A;

(17) a carbamoyl optionally having substituents selected from (1') a C_{1-6} alkyl optionally having 1 to 5 substituents selected from the Substituent group A, (2') a C_{2-6} alkenyl optionally having 1 to 5 substituents selected from the Substituent group A, (3') a C_{2-6} alkynyl optionally having 1 to 5 substituents selected from the Substituent group A, (4') a C_{3-8} cycloalkyl optionally having 1 to 5 substituents selected from the Substituent group A, (5') a C_{6-14} aryl optionally having 1 to 5 substituents selected from the Substituent group A, (6') a C_{7-16} aralkyl optionally having 1 to 5 substituents selected from the Substituent group A, (7') a 5- to 14-membered heterocyclic carbonyl containing 1 to 4 hetero atoms, which are 1 or 2 different atoms selected from nitrogen, sulfur and oxygen atoms, in addition to carbon atoms, (8') a C_{1-6} alkyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (9') a C_{2-6} alkenyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (10') a C_{2-6} alkynyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (11') a C_{3-8} cycloalkyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (12') a C_{6-14} aryl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (13') a C_{7-16} aralkyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A and (14') a 5- to 14-membered heterocyclic carbonyl containing 1 to 4 hetero atoms, which are 1 or 2 different atoms selected from nitrogen, sulfur and oxygen atoms, in addition to carbon atoms;

(18) an amino optionally having 1 or 2 substituents selected from (1') a C_{1-6} alkyl optionally having 1 to 5 substituents selected from the Substituent group A, (2') a C_{2-6} alkenyl optionally having 1 to 5 substituents selected from the Substituent group A, (3') a C_{2-6} alkynyl optionally having 1 to 5 substituents selected from the Substituent group A, (4') a C_{3-8} cycloalkyl optionally having 1 to 5 substituents selected from the Substituent group A, (5') a C_{6-14} aryl optionally having 1 to 5 substituents selected from the Substituent group A, (6') a C_{7-16} aralkyl optionally having 1 to 5 substituents selected from the Substituent group A, (7') a 5- to 14-membered heterocyclic carbonyl containing 1 to 4 hetero atoms, which are 1 or 2 different atoms selected from nitrogen, sulfur and oxygen atoms, in addition to carbon atoms, (8') a C_{1-6} alkyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (9') a C_{2-6} alkenyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (10') a C_{2-6} alkynyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (11') a C_{3-8} cycloalkyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (12') a C_{6-14} aryl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (13') a C_{7-16} aralkyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A and (14') a 5- to 14-membered heterocyclic carbonyl containing 1 to 4 hetero atoms, which are 1 or 2 different atoms selected from nitrogen, sulfur and oxygen atoms, in addition to carbon atoms or (19) a C_{1-6} alkoxy-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A; and

R^5 represents ~~(i) hydrogen atom, (ii) fluorine atom, (iii) hydroxy (iv) cyano, (v) an alkyl substituted with a halogen atom, (vi) an optionally substituted aryl, (vii) an acyl, (viii) an optionally substituted carbamoyl or (ix) an optionally substituted amino (provided that the compounds wherein all of R^3 to R^7 represent hydrogen atoms are excluded)); and n represents an integer of 0 to 4~~(1) hydrogen atom;

(2) fluorine atom;

(3) hydroxy;

(4) cyano;

(5) a C_{1-6} alkyl substituted with 1 to 5 halogen atoms;

(6) a C_{6-14} aryl optionally having 1 to 5 substituents selected from the Substituent group A;

(7) a C_{1-6} alkyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A;

(8) a C_{2-6} alkenyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A;

(9) a C_{2-6} alkynyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A;

(10) a C_{3-8} cycloalkyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A;

(11) a C_{6-14} aryl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A;

(12) a C_{7-16} aralkyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A;

(13) a 5- to 14-membered heterocyclic carbonyl containing 1 to 4 hetero atoms, which are 1 or 2 different atoms selected from nitrogen, sulfur and oxygen atoms, in addition to carbon atoms;

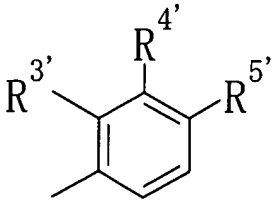
(14) a carbamoyl optionally having 1 or 2 substituents selected from (1') a C_{1-6} alkyl optionally having 1 to 5 substituents selected from the Substituent group A, (2') a C_{2-6} alkenyl optionally having 1 to 5 substituents selected from the Substituent group A, (3') a C_{2-6} alkynyl optionally having 1 to 5 substituents selected from the Substituent group A, (4') a C_{3-8} cycloalkyl optionally having 1 to 5 substituents selected from the Substituent group A, (5') a C_{6-14} aryl optionally having 1 to 5 substituents selected from the Substituent group A, (6') a C_{7-16} aralkyl optionally having 1 to 5 substituents selected from the Substituent group A, (7') a 5- to 14-membered heterocyclic carbonyl containing 1 to 4 hetero atoms, which are 1 or 2 different atoms selected from nitrogen, sulfur and oxygen atoms, in addition to carbon atoms, (8') a C_{1-6} alkyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (9') a C_{2-6} alkenyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (10') a C_{2-6} alkynyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (11') a C_{3-8} cycloalkyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (12') a C_{6-14} aryl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (13') a C_{7-16} aralkyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A and (14') a 5- to 14-membered heterocyclic carbonyl containing 1 to 4 hetero atoms, which are 1 or 2 different atoms selected from nitrogen, sulfur and oxygen atoms, in addition to carbon atoms, or

(15) an amino optionally having 1 or 2 substituents selected from (1') a C_{1-6} alkyl optionally having 1 to 5 substituents selected from the Substituent group A, (2') a C_{2-6} alkenyl optionally having 1 to 5 substituents selected from the Substituent group A, (3') a C_{2-6} alkynyl optionally having 1 to 5 substituents selected from the Substituent group A, (4') a C_{3-8} cycloalkyl optionally having 1 to 5 substituents selected from the Substituent group A, (5') a C_{6-14} aryl optionally having 1 to 5 substituents selected from the Substituent group A, (6') a C_{7-16} aralkyl optionally having 1 to 5 substituents selected from the Substituent group A, (7') a 5- to 14-membered heterocyclic carbonyl containing 1 to 4 hetero atoms, which are 1 or 2 different atoms selected from nitrogen, sulfur and oxygen atoms, in addition to carbon atoms, (8') a C_{1-6} alkyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (9') a C_{2-6} alkenyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (10') a C_{2-6} alkynyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (11') a C_{3-8} cycloalkyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (12') a C_{6-14} aryl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (13') a C_{7-16} aralkyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A and (14') a 5- to 14-membered heterocyclic carbonyl containing 1 to 4 hetero atoms, which are 1 or 2 different atoms selected from nitrogen, sulfur and oxygen atoms, in addition to carbon atoms); and, n is an integer of 0 to 4], or a salt thereof.

2. (Canceled)

3. (Canceled)

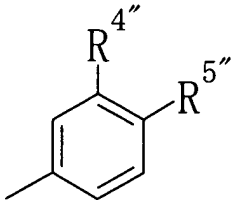
4. (Currently Amended) The compound according to claim 1, wherein R^2 is a branched C_{3-6} alkyl with the proviso that 4H-1,3-Benzothiazin-4-one, 2-(1,1-dimethylethyl) is excluded, a C_{3-8} cycloalkyl, or a group represented by formula:



(wherein $R^{3'}$ represents (1) hydrogen atom, (2) a C_{1-6} alkoxy or (3) a C_{1-6} alkyl substituted with 1 to 5 halogen atoms; $R^{4'}$ represents (1) hydrogen atom, (2) bromine atom, (3) cyano, (4) a C_{1-6} alkyl having 1 to 3 substituents selected from carboxy, a halogen atom, a C_{1-6} alkoxy-carbonyl and a C_{6-14} aryl-carbonylamino, (5) a C_{1-6} alkoxy substituted with a C_{1-6} alkoxy-carbonyl or (6) a C_{1-6}alkyl-carbonylamino; and $R^{5'}$ represents hydrogen atom, hydroxy, cyano, a C_{1-6} alkyl substituted with 1 to 5 halogen atoms, a C_{6-14} aryl, a C_{1-6} alkyl-carbonyl, a di-C_{1-6} alkylcarbamoyl or a C_{1-6} alkyl-carbonylamino), and n is 0.

5. (Original) The compound according to claim 1, wherein R^2 is a C_{3-8} cycloalkyl.

6. (Original) The compound according to claim 1, wherein R^2 is a group represented by formula:



(wherein $R^{4''}$ represents hydrogen atom or cyano, and $R^{5''}$ represents hydrogen atom, a C_{1-6} alkyl-carbonyl or a C_{1-6} alkyl-carbonylamino).

7. (Currently Amended) ~~The compound according to claim 1~~A 1, 3-benzothiazinone derivative, which is

2-(3-cyanophenyl)-4H-1,3-benzothiazin-4-one,

2-(4-acetylphenyl)-4H-1,3-benzothiazin-4-one,

2-(4-methylsulfonylphenyl)-4H-1,3-benzothiazin-4-one,

2-(4-acetylaminophenyl)-4H-1,3-benzothiazin-4-one, or

2-(3-trifluoromethylphenyl)-4H-1,3-benzothiazin-4-one.

8-10. (Canceled)

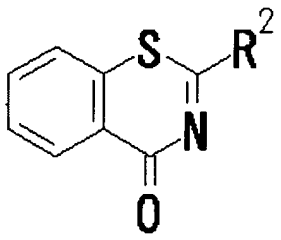
11. (Currently Amended) A pharmaceutical composition comprising the compound according to claim 1 ~~or its prodrug~~ and a pharmaceutically acceptable carrier.

12-17. (Canceled)

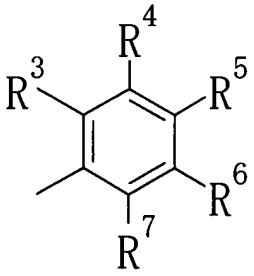
18. (Currently Amended) A method for ~~preventing or treating cardiovascular diseases, bone or joint diseases, infectious diseases, inflammatory diseases or kidney diseases~~inhibiting cell death or apoptosis, which comprises a step of ~~administering to~~subjecting a ~~mammal~~ cell to an effective dose of the compound according to claim 1~~1 or its prodrug~~.

19. (Currently Amended) Use of the compound according to claim 1~~1 or its prodrug~~ to manufacture an agent for ~~preventing or treating cardiovascular diseases, bone or joint diseases, infectious diseases, inflammatory diseases or kidney diseases~~inhibiting cell death or apoptosis.

20. (New) A compound represented by formula:



wherein, R^2 represents a group represented by formula:



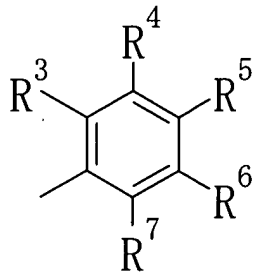
wherein, one of R^3 and R^7 represents hydrogen atom, and the other is a C_{1-6} alkyl optionally having 1 to 5 substituents selected from the Substituent group A or a C_{1-6} alkoxy optionally selected from the Substituent group A; and R^4, R^5 and R^6 each represents hydrogen atom; one of R^4 and R^6 represents hydrogen atom, and the other is a bromine atom, cyano, an alkyl having a substituent selected from carboxy, a halogen atom, an alkoxycarbonyl and an arylcarbonylamino, a C_{1-6} alkoxy optionally having 1 to 5 substituents selected from the Substituent group A, an optionally

substituted amino or alkoxycarbonyl and R^3, R^7 and R^5 each represents hydrogen atom; and R^5 represents hydroxy, cyano, an alkyl substituted with a halogen atom, aryl, an acyl, a carbamoyl optionally having 1 or 2 substituents selected from (1') a C_{1-6} alkyl optionally having 1 to 5 substituents selected from the Substituent group A, (2') a C_{2-6} alkenyl optionally having 1 to 5 substituents selected from the Substituent group A, (3') a C_{2-6} alkynyl optionally having 1 to 5 substituents selected from the Substituent group A, (4') a C_{3-8} cycloalkyl optionally having 1 to 5 substituents selected from the Substituent group A, (5') a C_{6-14} aryl optionally having 1 to 5 substituents selected from the Substituent group A, (6') a C_{7-16} aralkyl optionally having 1 to 5 substituents selected from the Substituent group A, (7') a 5- to 14-membered heterocyclic carbonyl containing 1 to 4 hetero atoms, which are 1 or 2 different atoms selected from nitrogen, sulfur and oxygen atoms, in addition to carbon atoms, (8') a C_{1-6} alkyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (9') a C_{2-6} alkenyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (10') a C_{2-6} alkynyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (11') a C_{3-8} cycloalkyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (12') a C_{6-14} aryl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A, (13') a C_{7-16} aralkyl-carbonyl optionally having 1 to 5 substituents selected from the Substituent group A and (14') a 5- to 14-membered heterocyclic carbonyl containing 1 to 4 hetero atoms, which are 1 or 2 different atoms selected from nitrogen, sulfur and oxygen atoms, in addition to carbon atoms, or an amino optionally having 1 or 2 substituents selected from (1') a C_{1-6} alkyl optionally having 1 to 5 substituents selected from the Substituent group A, (2') a C_{2-6} alkenyl optionally having 1 to 5 substituents selected from the Substituent group A and R^3, R^4, R^6 and R^7 each represents hydrogen atom, or a salt thereof.

21. (New) The compound according to claim 20, wherein one of R^4 and R^6 represents hydrogen atom, and the other is bromine atom, (iv) hydroxyl, (v) cyano, (vi) a carboxy-substituted alkyl, (vii) a C_{1-6} alkoxy optionally having 1 to 5 substituents selected from the Substituent group A, or an amino optionally having 1 or 2 substituents selected from (1') a C_{1-6} alkyl optionally having 1 to 5 substituents selected from the Substituent group A, (2') a C_{2-6} alkenyl optionally having 1 to 5

substituents selected from the Substituent group A and R^3, R^7 and R^5 each represents hydrogen atom.

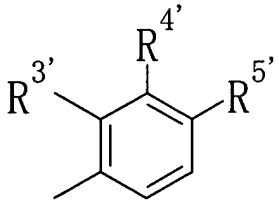
22. (New) The compound according to claim 20, wherein, R^2 represents: a group represented by formula:



wherein: (I) one of R^3 and R^7 represents: hydrogen atom, and the other is a C_{1-6} alkyl optionally having 1 to 5 substituents selected from the Substituent group A, wherein Substituent group A consists of a C_{1-6} alkyl-carbonyl optionally having 1 to 5 '1 substituents selected from (1') a halogen atom, (2') a C_{1-3} alkylenedioxy, (3') nitro, (4') cyano, (5') a C_{1-6} alkyl which may be substituted with 1 to 5 halogen atoms, (6') a C_{2-6} alkenyl which may be substituted with 1 to 5 halogen atoms, (7') a carboxy-C_{2-6} alkenyl, (8') a C_{2-6} alkynyl which may be substituted with 1 to 5 halogen atoms, (9') a C_{3-8} cycloalkyl which may be substituted with 1 to 5 halogen atoms, (10') a C_{6-14} aryl, (11') a C_{1-6} alkoxy which may be substituted with 1 to 5 halogen atoms, (12') a C_{1-6} alkoxy- carbonyl-C_{1-6} alkoxy, (13') hydroxyl, (14') a C_{6-14} aryloxy, (15') a C_{7-16} aralkyloxy, (16') mercapto, (17') a C_{1-6} alkylthio which may be substituted with 1 to 5 halogen atoms, (18') a C_{6-14} arylthio, (19') a C_{7-16} aralkylthio, (20') amino, (21') a mono-C_{1-6} alkylamino, (22') a mono-C_{6-14} arylamino, (23') a di-C_{1-6} alkylamino, (24') a di-C_{6-14} arylamino, (25') formyl, (26') carboxy, (27') a C_{1-6} alkyl-carbonyl, (28') a C_{3-8} cycloalkyl-carbonyl, (29') a C_{1-6} alkoxy-carbonyl, (30') a C_{6-14} aryl-carbonyl, (31') a C_{7-16} aralkyl-carbonyl, (32') a C_{6-14} aryloxy-carbonyl, (33') a C_{7-16} aralkyloxy- carbonyl, (34') a 5- or 6-membered heterocyclic carbonyl, (35') carbamoyl, (36') a mono- C_{1-6} alkyl-carbamoyl, (37') a di-C1-6alkyl-carbamoyl, (38') a mono-C_{6-14} aryl-carbamoyl, (39') a 5- or 6-membered heterocyclic carbamoyl, (40') a C_{1-6} alkylsulfonyl, (41') a C_{6-14} arylsulfonyl, (42') formylamino, (43') a C_{1-6} alkyl-carbonylamino, (44') a C_{6-14} aryl- carbonylamino, (45') a C_{1-6} alkoxy-carbonylamino, (46') a C_{1-6} alkylsulfonylamino, (47') a C_{6-14} arylsulfonylamino, (48') a C_{1-6} alkyl-carbonyloxy, (49') a C_{6-14} aryl-carbonyloxy, (50') a C_{1-6} alkoxy-carbonyloxy, (51') a mono-C_{1-6} alkyl-carbamoyloxy, (52') a di-C_{1-6}

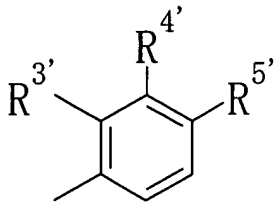
alkyl-carbamoyloxy, (53') a mono-C_{6-14} aryl-carbamoyloxy, (54') nicotinoyloxy, (55') a 5- to 7-membered saturated cyclic amino, (56') a 5- to 10-membered aromatic heterocyclic group and (57') sulfo; a C_{1-6} alkoxy optionally having 1 to 5 substituents selectedfrom Substituent group A;
and R^4, R^5 and R6 each represents hydrogen atom; or
(II) one of R^4 and R^6 each independently represents:
hydrogen atom; and
the other is bromine atom; cyano; a C_{1-6} alkyl having 1 to 3 substituents selected from carboxy, a halogen atom, a C_{1-6} alkoxy-carbonyl and a C_{6-14} aryl-carbonylamino; a C_{1-6} alkoxy optionally having 1 to 5 substituents selected from the Substituent group A, an amino having a C_{1-6} alkyl-carbonyl, a C_{1-6} alkoxy-carbonyl or
(III) R^5 represents: hydroxy; cyano; a C_{1-6} alkyl substituted with 1 to 5 halogen atoms; a C_{6-14} aryl; a C_{1-6} alkyl-carbonyl; a carbamoyl having 2 C_{1-6} alkyl groups or an amino having a C_{1-6} alkyl-carbonyl group.

23. (New) The compound according to claim 20, wherein R^2 is a group represented by formula:



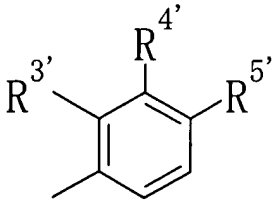
(wherein (1) $R^{3'}$ represents a C_{1-6} alkoxy or a C_{1-6} alkyl substituted with 1 to 5 halogen atoms, and $R^{4'}$ and $R^{5'}$ each represents hydrogen atom; (2) $R^{4'}$ represents bromine atom, cyano, a C_{1-6} alkyl having 1 to 3 substituents selected from carboxy, a halogen atom, a C_{1-6} alkoxy-carbonyl and a C_{6-14} aryl-carbonylamino, a C_{1-6} alkoxy substituted with a C_{1-6} alkoxy-carbonyl or a C_{1-6} alkyl-carbonylamino, and $R^{3'}$ and $R^{5'}$ each represents hydrogen atom; or (3) $R^{5'}$ represents hydroxy, cyano, a C_{1-6} alkyl substituted with 1 to 5 halogen atoms, a C_{6-14} aryl, a C_{1-6} alkyl-carbonyl, a di-C_{1-6} alkylcarbamoyl or a C_{1-6} alkyl- carbonylamino, and $R^{3'}$ and $R^{4'}$ each represents hydrogen atom).

24. (New) The compound according to claim 23, wherein R^2 is a group represented by formula:



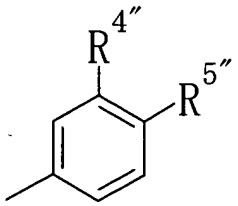
(wherein (1) $R^{3'}$ represents a C_{1-6} alkoxy or a C_{1-6} alkyl substituted with 1 to 5 halogen atoms, and $R^{4'}$ and $R^{5'}$ each represents hydrogen atom; (2) $R^{4'}$ represents bromine atom, cyano, a C_{1-6} alkyl having 1 to 3 substituents selected from carboxy, a halogen atom, a C_{1-6} alkoxy-carbonyl and a C_{6-14} alyl-carbonylamino, a C_{1-6} alkoxy substituted with a C_{1-6} alkoxy-carbonyl or a C_{1-6} alkyl-carbonylamino, and $R^{3'}$ and $R^{5'}$ each represents hydrogen atom; or (3) $R^{5'}$ represents hydroxy, cyano, a C_{1-6} alkyl substituted with 1 to 5 halogen atoms, a C_{6-14} aryl, a C_{1-6} alkyl-carbonyl, a di-C_{1-6} alkylcarbamoyl or a C_{1-6} alkyl-carbonylamino, and $R^{3'}$ and $R^{4'}$ each represents hydrogen atom.

25. (New) The compound according to claim 23, wherein R^2 is a group represented by formula:



(wherein (1) $R^{3'}$ represents a C_{1-6} alkyl substituted with 1 to 5 halogen atoms, and $R^{4'}$ and $R^{5'}$ each represents hydrogen atom; (2) $R^{4'}$ represents cyano, a C_{1-6} alkyl having 1 to 3 substituents selected from carboxy, a halogen atom, a C_{1-6} alkoxy-carbonyl and a C_{6-14} aryl-carbonylamino, a C_{1-6} alkoxy substituted with a C_{1-6} alkoxy-carbonyl or a C_{1-6} alkyl-carbonylamino, and $R^{3'}$ and $R^{5'}$ each represents hydrogen atom; or (3) $R^{5'}$ represents cyano, a C_{1-6} alkyl substituted with 1 to 5 halogen atoms, a C_{6-14} alyl or a C_{1-6} alkyl-carbonylamino, and $R^{3'}$ and $R^{4'}$ each represents hydrogen atom.

26. (New) The compound according to claim 20, wherein R^2 is a group represented by formula:



(wherein (1) $R^{4''}$ represents cyano and $R^{5''}$ represents hydrogen atom, or (2) $R^{4''}$ represents hydrogen atom and $R^{5''}$ represents a C_{1-6} alkyl-carbonyl or a C_{1-6} alkyl- 1 carbonylamino).

27. (New) A pharmaceutical composition comprising the compound according to claim 20 and a pharmaceutically acceptable carrier.

28. (New) A method for inhibiting cell death or apoptosis, which comprises a step of subjecting a cell to an effective dose of the compound according to claim 20.

29. (New) Use of the compound according to claim 20 to manufacture an agent for inhibiting cell death or apoptosis.